

PROCESS OF SELECTIVELY REMOVING LAYERS OF A THERMAL BARRIER COATING SYSTEM

Abstract

A process of selectively removing layers of a thermal barrier coating system from a surface of a component. A thermal barrier coating system of interest comprises an inner metallic bond coat layer, an outer metallic bond coat layer that is less dense than the inner metallic bond coat layer, and a ceramic topcoat having vertical cracks therethrough. The process involves directing a jet of liquid at the component to simultaneously remove the topcoat and the outer metallic bond coat layer without removing the inner metallic bond coat layer.